



Lafayette Fire Department

2021 Annual Report

Lafayette Fire Department Training Division



2021 Recruit Class

The Lafayette Fire Department's Training Division is currently staffed by an Assistant Chief of Training, Captain of Training, and the assistance of many on and off-duty instructors to meet the needs of our department. We are responsible for conducting recruit training, as well as, yearly training, for all members of the Lafayette Fire Department. This year we continued to increase the hours of training we are completing. Total training hours logged for 2021 was **27,093.33 hours**.

In-House Training Hours:

Basic Firefighter Proficiency
Hazmat Awareness, Ops, & Tech
Emergency Medical Technician
Emergency Vehicle Operations
Flashover and Fire Behavior
Incident Command
Officer Development
Incident Command
Special Operations
Live Fire

Outside Training:

Hazmat Awareness, Ops, & Tech
Emergency Response Training
Flashover and Fire Behavior
Fire Extinguisher Training
Incident Command
Confined Space & Ropes



PREVENTION

EDUCATE

INVESTIGATION

Lafayette Fire Prevention Division

Overview

The Fire Prevention Division is staffed by an Assistant Chief, a merit Fire Inspector and 3 full-time Civilian Fire Inspectors whose primary responsibilities include:

- **Public Education through Media (print, radio, TV and social)**
 - Schools
 - Juvenile Fire Setter Education Program
 - Through Media (print, radio, TV and Social)
 - Free Smoke Alarms and Installation
 - Free Carbon Monoxide Detectors and Installation
 - Community “Outreach” events, such as:
 - ✓ High School Career Day
 - ✓ Neighborhood Association Meetings
 - ✓ Emergency Preparedness Planning
 - ✓ Wellness Fairs
- **Building and Fire Code Enforcement for Existing Commercial Buildings**
 - Annual/Triennial Periodic Fire and Life Safety Inspections
- **Plan Review and Inspections of New Construction Projects**
 - Review New Construction/Additions/Remodels
- **Liaison to Engineering Department (meet with building owners/architects/contractors)**
 1. Review Building, Sprinkler, Fire Alarm, Kitchen Hood, Paint Booth Plans
 2. Conduct New Building Inspections from beginning to end of project
 3. Conduct Pre-Design and Pre-Con Meetings with Architects and Contractors
 4. Conduct Hydrant Flow Tests

- **Fire and Explosion Investigations**
 - Work in close proximity with federal, state, and local law enforcement and the local prosecutor's office in arson investigations.
 - Work closely with private insurance investigators
- **Special Investigations**
 - Administrative Investigations as assigned
 - Background Investigations of New Department Personnel
- **Additional Administrative Duties include, but not limited to:**
 - Grant Funding
 - Updating Local Ordinances
 - Updating SOP's
 - Continued Education and Training for Staff
 - Recruit and firefighter training (as assigned by Training Division)
 - Assist Company Officers with Preplans in complex structures

2021 Year in Review

The Lafayette Fire Prevention Division continued to be challenged by the Covid-19 pandemic, however, division personnel were able to overcome the challenges and continue to meet the goals of the division. For the 2021 calendar year, the Lafayette Fire Prevention Division was able to complete 4551 fire inspections of existing properties.

The Lafayette Fire Prevention Division completed 574 inspections of new construction projects and 174 inspections of fire protection systems in existing and new construction projects to ensure proper installation, testing and maintenance is being conducted on these vital life safety systems.

The Lafayette Fire Prevention Division assisted in 752 consultations for emergency preparedness plans of local businesses and industries, meetings with design professionals and project managers of proposed construction projects, and follow-up visits for impairments of existing fire protection systems.

513 plan reviews were conducted of site, fire protection systems, and new and existing building projects.

Fire Investigations by investigators of the Lafayette Fire Prevention Division totaled 38 for 2021. There were 6 fires to be determined as incendiary/arson.

It is with deep regret that the Lafayette Fire Department reports that investigators investigated 2 residential fires that resulted in the deaths of 2 community members.

Public Education

FREE SMOKE ALARM and CARBON MONOXIDE DETECTOR PROGRAM

We continued to offer free smoke alarms and carbon monoxide detectors to members of our community in 2021. For people who qualify free smoke alarms and/or carbon monoxide detectors are provided and installed by on-duty firefighters to ensure that each home is equipped with the proper number and locations of these life-saving devices. The Lafayette Fire Department also provides smoke alarms for the hearing impaired when requested.

In an effort to streamline the program, in 2021, the decision was made to purchase combination smoke alarm and carbon monoxide alarms with a 10-year maintenance-free battery. This will help to ensure all devices installed will be functional for the life of the device.

This program is made possible through a partnership with the Historic Five Points Fire Museum and grant funding provided by North Central Health Services.

Lafayette Firefighters installed 238 smoke alarms, 138 Smoke/Carbon monoxide combination alarms, 49 standalone carbon monoxide detectors and replaced 69 batteries in existing smoke alarms throughout the year.

JUVENILE FIRE SETTER PROGRAM

The LFD Juvenile Fire Setter Program is a program of education and evaluation. It is designed to teach children and parents that matches and lighters are tools, not toys. A child who demonstrates interest or curiosity about fire should be provided with information and education as soon as possible. Our staff is able to conduct an evaluation interview with both the parent(s) and child, to help determine why the child is interested in fire. The program also is able to determine if the curiosity can be controlled by the parent or if additional counseling is needed through professionals. In an effort to better serve our community, our staff networks with other juvenile fire setter programs throughout the state to identify new and better ways to educate and inform these children.

Fire Prevention Week

Due to the COVID-19 pandemic, the Lafayette Fire Department was again not able to provide our annual fire prevention show to the community in 2021. The Lafayette Fire Prevention Division publicly promoted the fire safety video titled *"Fire and Life Safety Skills with Sparky and Friends"* that Lafayette Fire Department personnel created in 2020. As of date, over 7500 views of this video have been recorded by YouTube.

The Lafayette Fire Prevention Division relied on the Fire Suppression Division to provide station tours, fire truck requests to local schools and daycares.

A community fire safety fair was also presented at Lafayette Fire Station 5. This event allowed the community to engage with personnel of the Lafayette Fire Department to learn fire safety messages, view Lafayette fire trucks and to walk through an inflatable fire safety house. The inflatable fire safety house is the departments' newest public education tool available to educate the community on a number of fire safety topics.



Sparky The Fire Dog poses with the inflatable fire safety house



YouTube link to the video is at <https://www.youtube.com/watch?v=efDbHKqA-BE&t=67s>



Sparky The Fire Dog interacting with community members during the Lafayette Fire Safety Fair



Lt. Brad Young and his dog Roxie teaching Stop, Drop, and Roll



Sparky The Fire Dog and his friend Roxie



Sgt. Bumgarner showing community members Squad 2

Domino's Pizza

The Lafayette Fire Department partnered with a local Domino's Pizza franchise to participate in a National Fire Prevention Week event. This event consisted of the Lafayette Fire Department delivering pizza orders with a local Domino's Pizza delivery driver. If the orders that the Lafayette Fire Department assisted in delivering were found to have working smoke alarms, Domino's Pizza would provide their order at no cost. Any location found not to have properly functioning smoke alarms, the Lafayette Fire Department would install smoke alarms or replace batteries at no cost. As a result, all eligible orders that the Lafayette Fire Department delivered received their orders at no cost and no smoke alarms were found to be inoperable.



LFD Engine 2 preparing to partner with our local Domino's Pizza to check smoke alarms



Engine 2 C-shift and Domino's Pizza personnel

Building and Fire Code Enforcement (Existing Buildings)

One of the major functions of local government is to provide a reasonable degree of safety for the citizens it governs. This mindset is ever present for the members of the Fire Prevention Division, who understand that unsafe buildings pose an inherent risk to both citizens and responding firefighters. In fact, a majority of the building and fire code laws in effect today came into existence to address and correct unsafe building designs and housekeeping practices. Our inspections encompass the approximate **4543** existing commercial buildings that are required to meet minimum building and fire codes in effect at the time they were constructed in the City of Lafayette. Additionally, we inspect all new construction projects to ensure that they meet the current code requirements.

Breakdown of Total Business Occupancies in the City of Lafayette

Group "A" Occupancies= Nightclubs, Bars, Churches, etc.

Group "B" Occupancies= Business (General)

Group "E" Occupancies= Schools

Group "F" Occupancies= Factories

Group "H" Occupancies= High Hazard

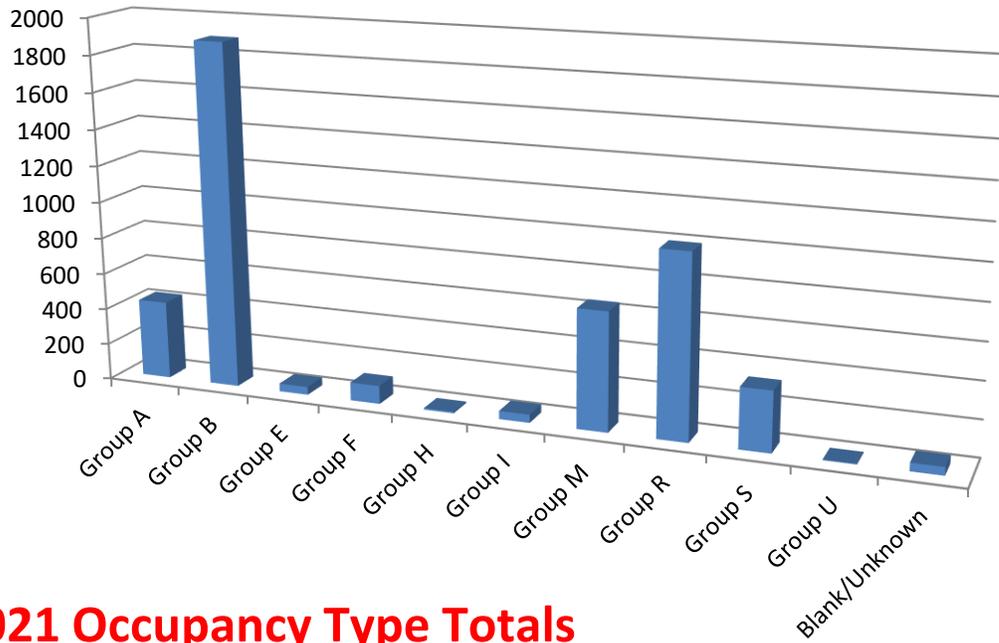
Group "I" Occupancies= Hospitals, Nursing Homes, Assisted Living, Adult and Child Day Cares

Group "M" Occupancies= Mercantile (Strip Malls Occupancies, Mall Occupancies, etc.)

Group "R" Occupancies= Residential (Apartments, Condominiums, Hotels and Motels)

Group "S" Occupancies= Storage Buildings

Group "U" Occupancies=Utility and Miscellaneous



2021 Occupancy Type Totals

Total Activities for 2021

4551 Existing Building Fire and Life Safety Inspections

574 New Construction Inspections of Structures

174 Inspections of New Fire Protections Systems

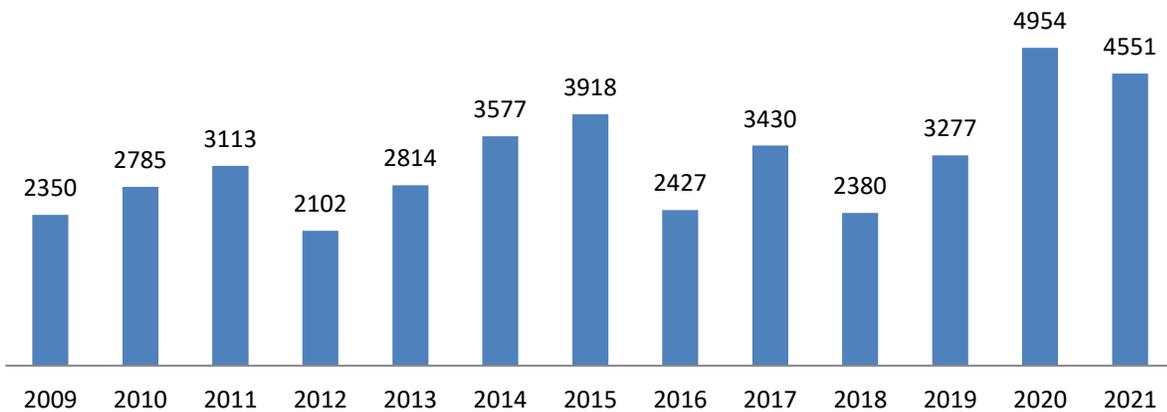
513 Plan Reviews

752 Consultations

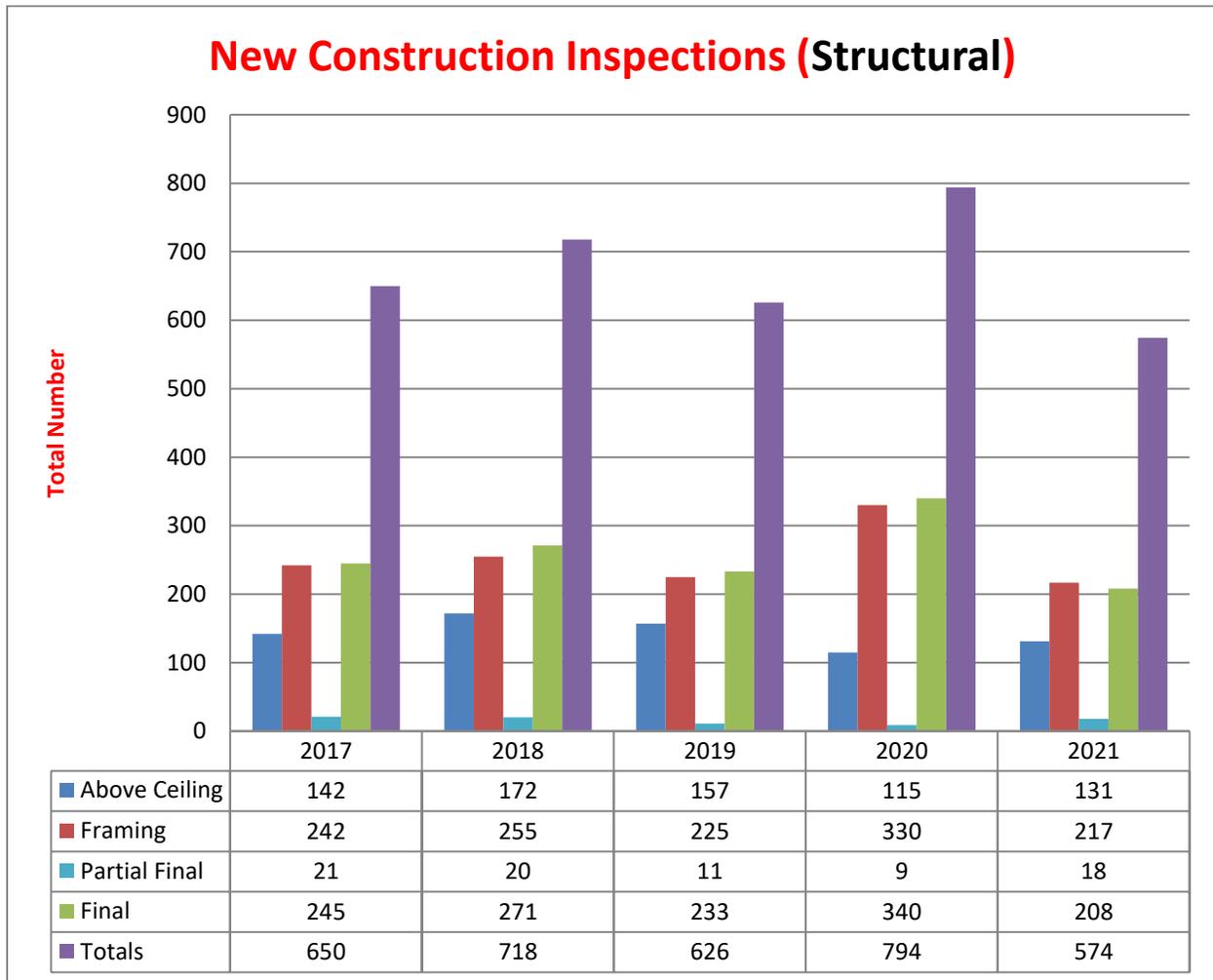
6564 Total Existing and New Construction Inspections, Plan Reviews, and Consultations

Number of Existing Inspections (YTD)

■ Number of Existing Inspections (YTD)

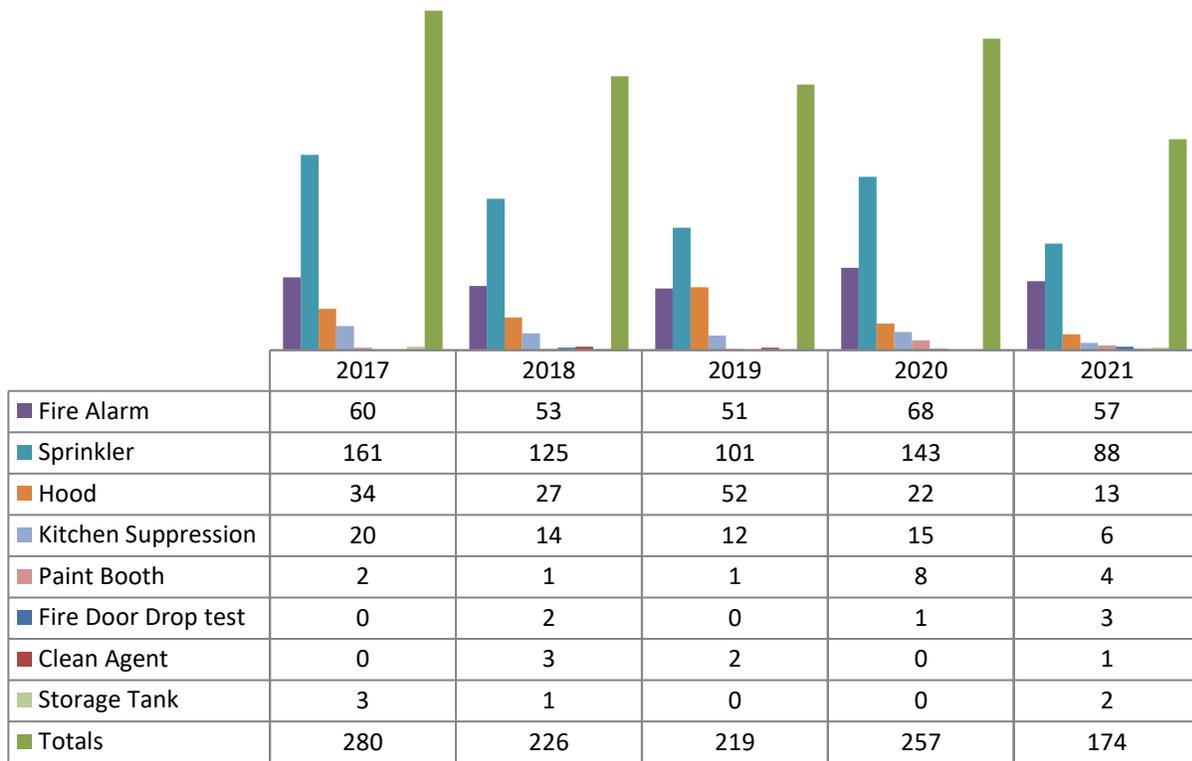


New Construction Inspections of Structures in 2021: 574



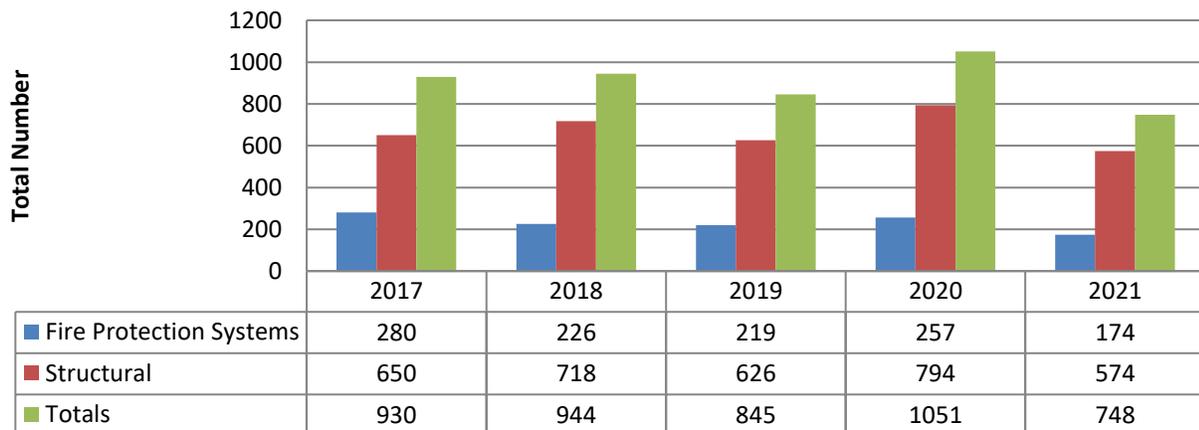
Inspections of New Fire Protections Systems in 2021: 174

New Construction Totals (Systems)



New Construction Inspections in 2021: 748

New Construction Inspections 2017-2021 Fire Protection Systems & Structural Inspections



Plan Review and Inspections involving (New Construction Projects)

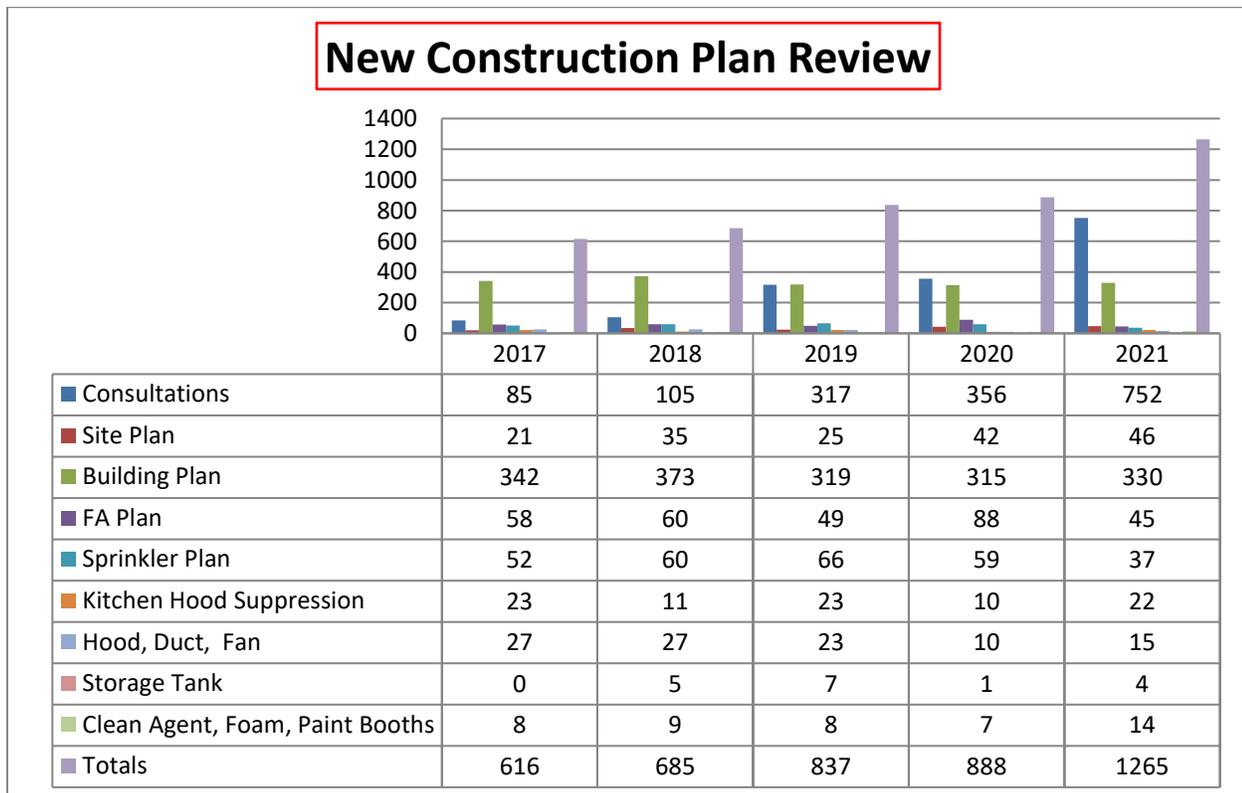
Most new construction projects are required to be filed with the State of Indiana and our City Engineers Office to obtain necessary permits to begin construction. We conduct plan reviews of all new construction, and strive to conduct very thorough reviews at the initial phases of construction to help eliminate potential conflicts at the end of the projects. Often times, this will require us to meet personally with architects, building owners, and project managers in pre-construction conferences. We believe that the benefits and rewards of spending time at the front of a project provides ample justification for the costs incurred, and assists the building owner in avoiding potentially costly renovations at the end of their projects.

Our Fire Prevention Staff reviews and inspects all pertinent fire code issues, including but not limited to:

- Building Plans
- Sprinkler Systems
- Fire Alarm Systems
- Kitchen Hood Systems

Our goal is to work with Architects/Engineers, Building Owners, and Contractors to identify corrections at the beginning of the process, to help all parties eliminate costly revisions at the end of the project.

New Construction Plan Reviews and Consultations for the year 2021: 1265



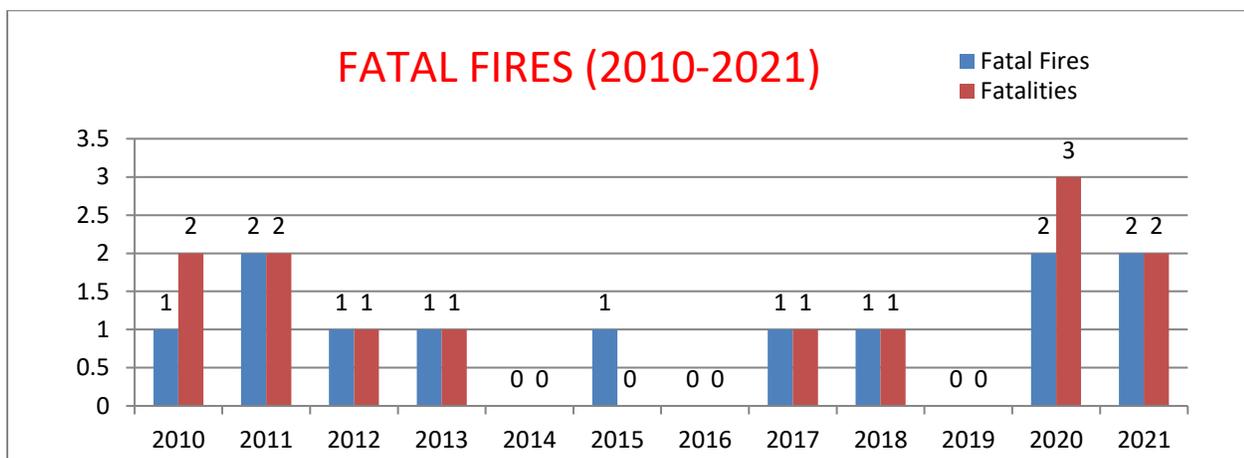
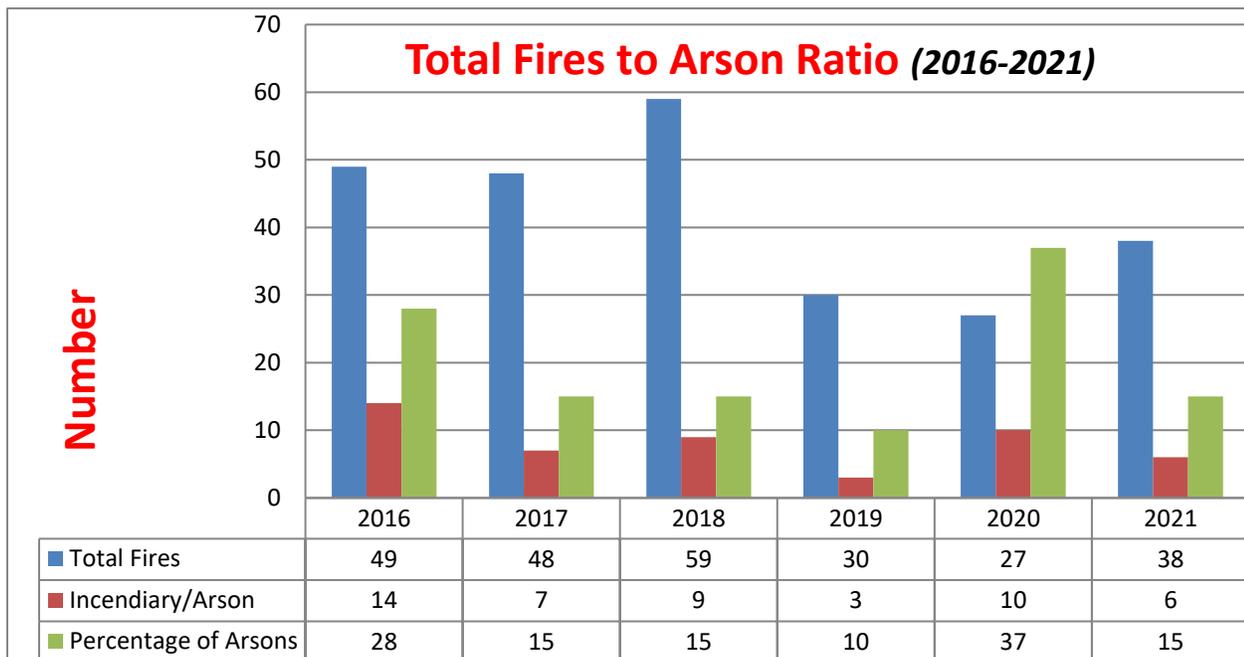
Fire and Explosion Investigations

Members assigned to the Lafayette Fire Investigations Unit have the responsibility to investigate the “cause and origin” of residential/commercial structure and vehicle fires and explosions when requested by the Incident Commander.

2021 Investigation Report Data

The Lafayette Fire Investigations Unit is responsible for investigating fires that the Fire Suppression Division is unable or needs assistance in determining the origin and cause of the fire. The Lafayette Fire Investigation Unit was requested to investigate 38 fires for the year. Of those 38 fires, 30 were fires involving structures and 6 involving vehicle fires. 6 of the fires investigated in 2021 were a result of an Incendiary act.

It’s unfortunate that the Lafayette Fire Department reports that 2 civilians lost their lives in separate residential fires in 2021.



Fire Prevention Division Training

Fire Prevention staff attend professional training seminars and have professional memberships/certifications, which include the State of Indiana Homeland Security (IDHS), International Code Council (ICC), International Association of Arson Investigators (IAAI) and National Association of Fire Investigators (NAFI). These organizations provide opportunities for training and networking with other inspectors/investigators throughout the state. Certifications available through these organizations include: Certified Fire Inspector I and II, Certified Fire Investigator (CFI), Certified Fire and Explosion Investigator (CFEI), Fire Investigation Technician (FIT), among others.

In 2021, all Fire Prevention Division personnel held certifications as Certified Fire Inspectors, Certified Fire Investigators, Certified Fire Technicians and/or Certified Fire and Explosion Investigators by these various National and International Organizations.

Additionally, in 2021, Inspector Todd Trent successfully completed the International Association of Arson Investigators (IAAI) Evidence Collection Technician (ECT) course. The Evidence Collection Technician Program verifies an applicant's fundamental knowledge as measured against core job performance requirements of established professional qualifications standards and standard industry practices related to evidence collection on fire scenes. Inspector Trent provided documentation of meeting minimum requirements including experience, training, and education and successfully pass a practical examination.

110 hours of training were reported by personnel in the fire prevention division. This training and continuing education is an integral part of keeping up with the requirements and expectations of our community and for certifications and/or accreditations of the organizations that personnel are members.

Additional Duties

The Fire Prevention Division staff performs duties that benefit the fire department which include:

- Assisting in the fire training for new recruits and the High School Cadet program.
- At Large scale fire events, our staff is called upon to fill positions of incident command which include safety officer, accountability officer, etc.
- Special /Administrative Investigations; Employee Background Checks.
- Video/Photographic assignments for the Lafayette Fire Department and various other city departments.

Total Service Contacts for 2021

13,050

Includes The Following:

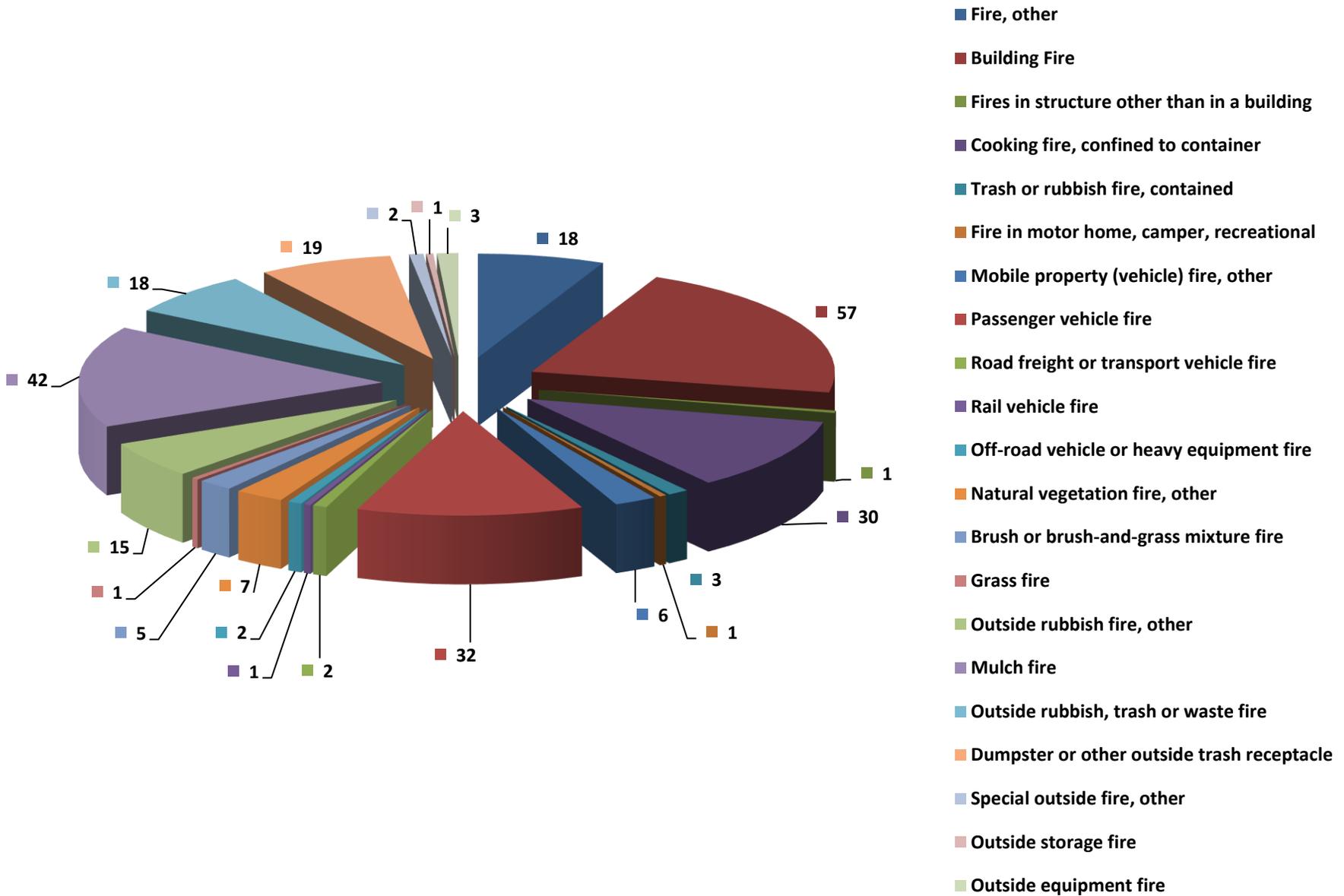
Fire Related (266)

Non-Fire Related (1,713)

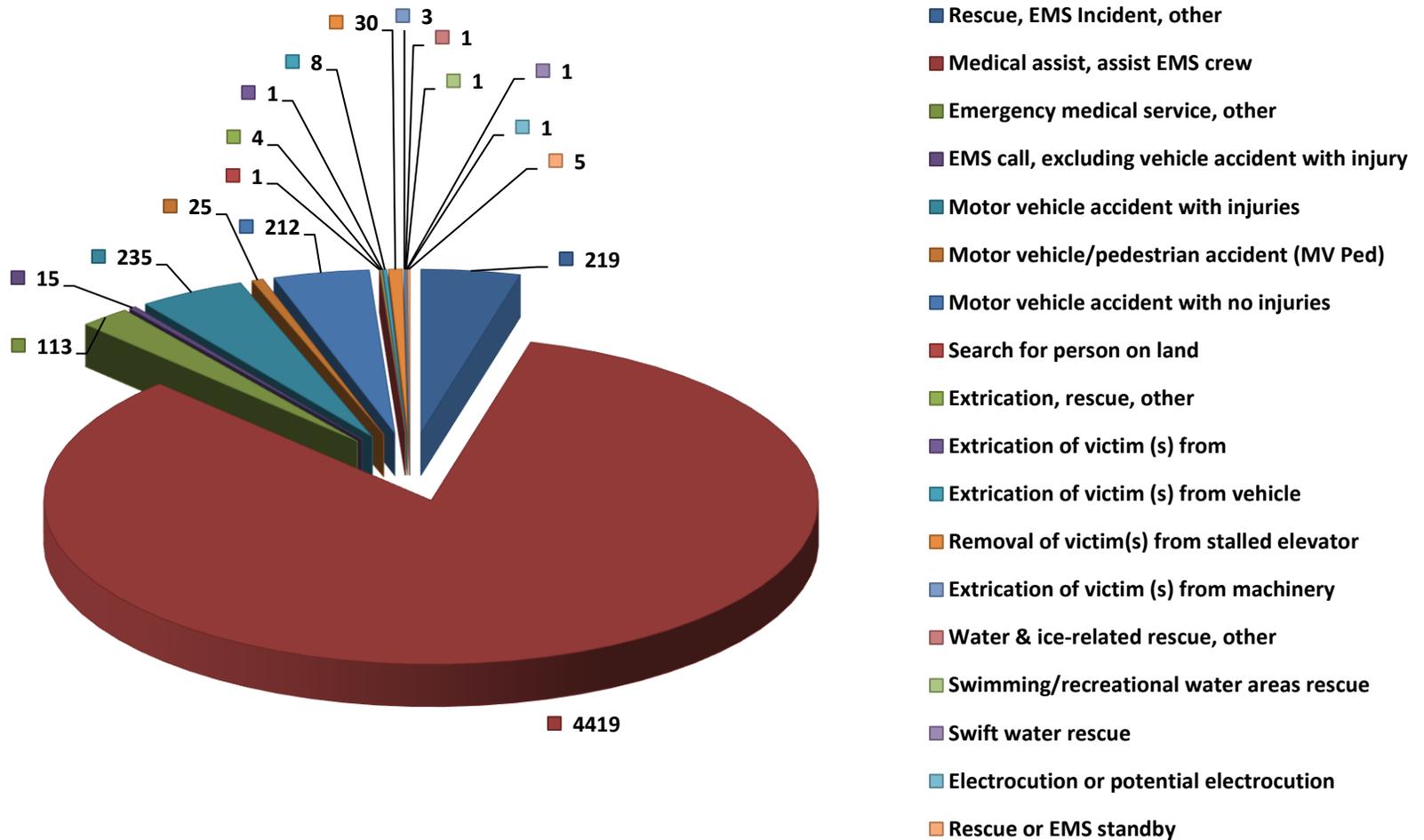
EMS (6,520)

Inspections (4,551)

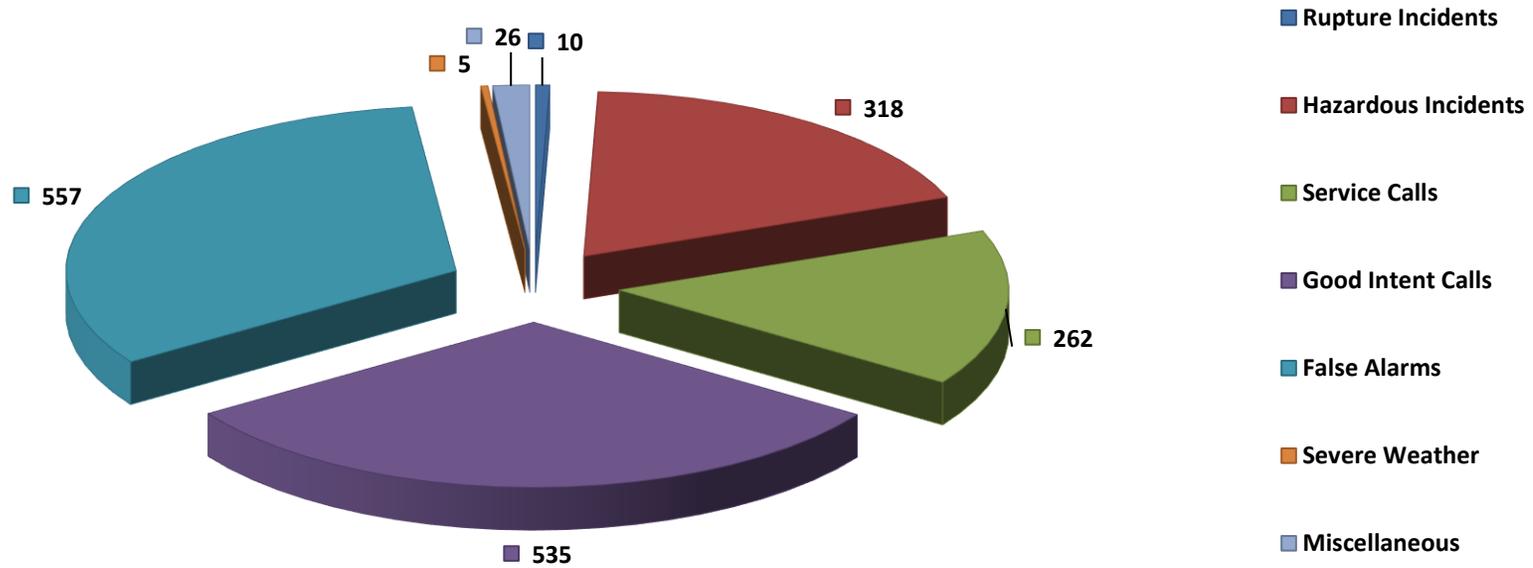
2021 Fire Runs



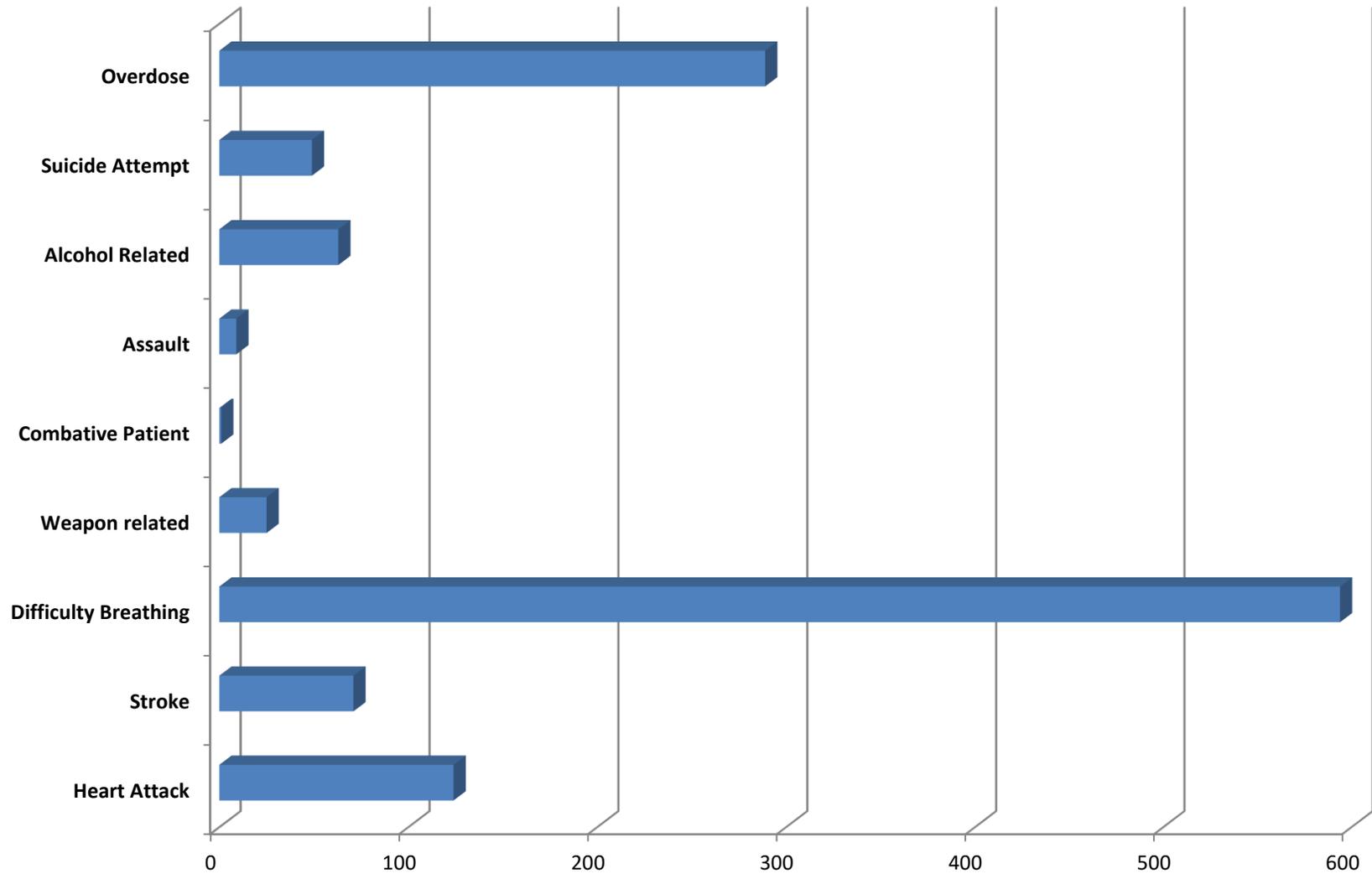
2021 EMS Runs



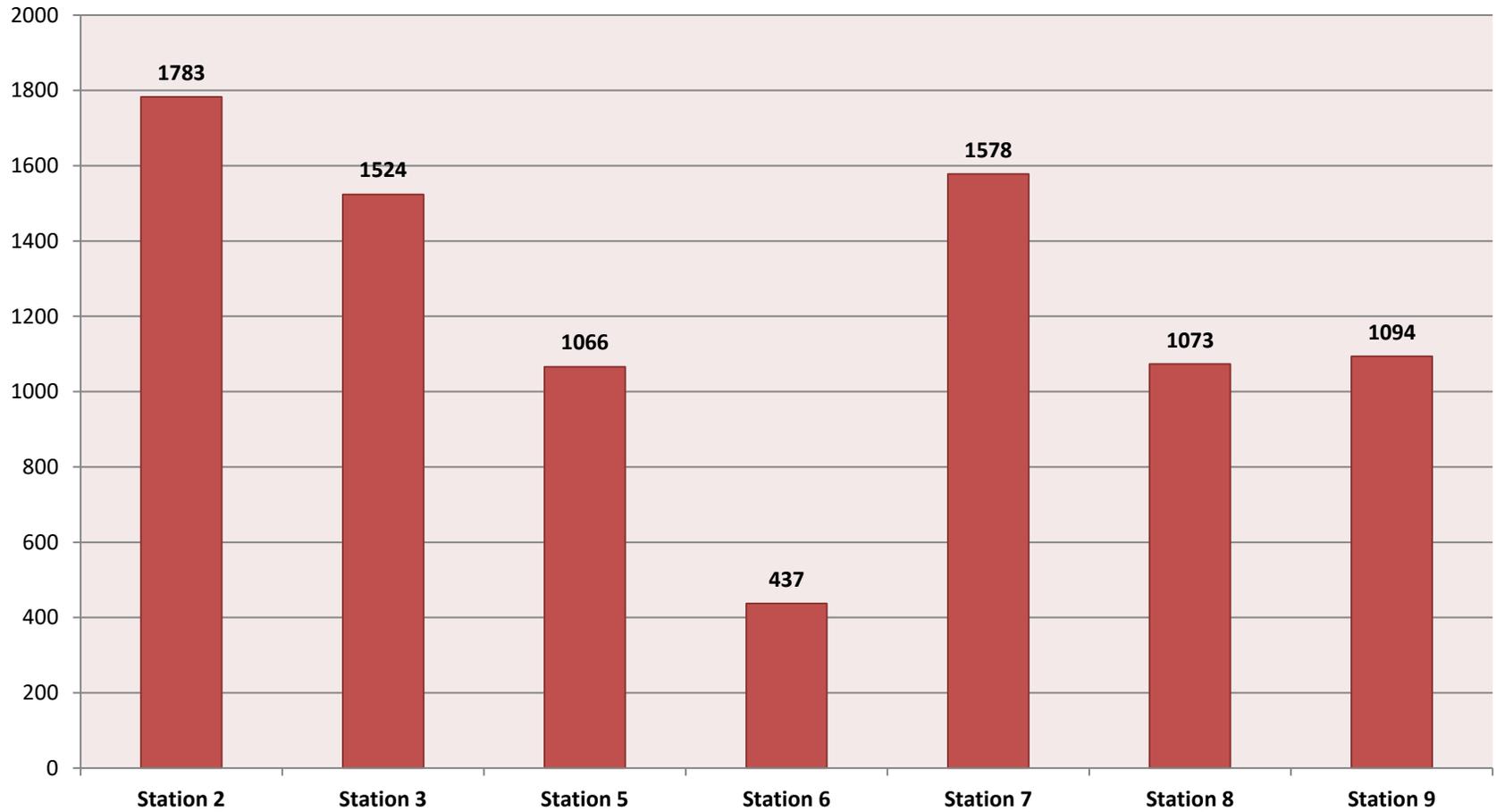
2021 Non-Fire Related Runs/Excluding EMS



2021 Medical Assists - Special Categories



2021 Calls Per Zone



2021 Responses Per Unit

